## INTENATIONAL SEARCH REPORT

Internat Application No PCT/DE2004/002705

			PC1/DE2004	4/002/05		
A. CLASSI IPC 7	FIGHTON OF SUBJECT MATTER F15B11/044 F15B13/04					
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC				
	SEARCHED					
Minimum do IPC 7	ocumentation searched (classification system followed by classification $F15B$	on symbols)	<del></del> .			
	tion searched other than minimum documentation to the extent that s					
EPO-In	ata base consulted during the international search (name of data bas	se and, where practical s	Search Terms userv	)		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the rele		Relevant to claim No.			
Α	DE 199 04 616 A1 (MANNESMANN REXR 10 August 2000 (2000-08-10) cited in the application column 4, line 63 - column 9, lin	1				
А	DE 33 41 641 A1 (MANNESMANN REXROMANNESMANN REXROTH GMBH, 8770 LOH 30 May 1985 (1985-05-30) page 7, paragraph 2 page 9, paragraph 2	1				
Α	EP 0 516 864 A (HITACHI CONSTRUCT MACHINERY CO., LTD) 9 December 1992 (1992-12-09) column 10, line 31 - column 12, l	1				
Further documents are listed in the continuation of box C.						
*A' document defining the general state of the art which is not considered to be of particular relevance  *E' earlier document but published on or after the international filing date  *L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clation or other special reason (as specified)  *O' document referring to an oral disclosure, use, exhibition or other means  *P' document published after the international filing date but later than the priority date claimed  *T' later document published after the international filing date but later than the priority date claimed  *T' later document published after the international filing date but later than the priority date claimed  *T' later document published after the international filing date but later document published after the international filing date but later than the priority date claimed  *T' later document published after the international filing date but later document published after the international filing date but later document published after the international filing date but later document published after the international filing date but later document published after the international filing date but later document published after the international claim conflict with clad to understand the principle or the invention  *X' document of particular relevance; the cannot be considered novel or cannot be considered to involve an invention or document is combined with one or more ments, such combination being obviour in the art.  *A' document of particular relevance; the cannot be considered to involve an invention or document is combined with one or more ments, such combination being obviour in the art.				the application but sory underlying the sairned invention be considered to current is taken alone aimed invention entire step when the re other such docusto a person skilled		
	actual completion of the international search  1 March 2005	international seam	ch report			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Pijswijk  Tol. (23, 70) 200 200 Tr. 21 551 ppg pl			8/04/2005  ped officer  offolo, 0			

## INTERNATIONAL SEARCH REPORT

Internation Application No PCT/DE2004/002705

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
DE 19904616	A1	10-08-2000	DE WO EP JP US	50009158 D1 0046513 A1 1149246 A1 2002536599 T 6644025 B1	10-02-2005 10-08-2000 31-10-2001 29-10-2002 11-11-2003	
DE 3341641	A1	30-05-1985	FR GB IT	2555277 A1 2149887 A ,B 1177242 B	24-05-1985 19-06-1985 26-08-1987	
EP 0516864	Α	09-12-1992	DE DE EP WO JP KR US	69128882 D1 69128882 T2 0516864 A1 9209809 A1 2744846 B2 9606358 B1 5315826 A	12-03-1998 27-08-1998 09-12-1992 11-06-1992 28-04-1998 15-05-1996 31-05-1994	